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MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER I: BASIC SCIENCES WITH AUDIOLOGY AND VESTIBULAR ASSESSMENTS

Monday, April 04, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Write in detail the anatomy of paranasal sinuses with illustrations.

(30 marks)

2. **Write short notes on:**

2A. Passavants ridge

2B. Epley's Manoeuvre

2C. Tympanic part of facial nerve

2D. Paraglottic space

2E. 2nd Branchial arch

2F. Basillar membrane

2G. Butterfly chart

(10×7 = 70 marks)



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MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER II: OTOLOGY AND RHINOLOGY

Tuesday, April 05, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

1. Discuss in detail the clinical features and management of inner ear trauma.

(30 marks)

2. Write short notes on:

2A. Malignant otitis externa

2B. Vasomotor rhinitis

2C. External fronto ethmoidectomy

2D. Rhinolalia aperta

2E. Referred Otalgia

2F. Implants in rhinology

2G. Biscuit footplate

(10×7 = 70 marks)



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MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2011 SUBJECT: PAPER III: PHARYNX, LARYNX, OESOPHAGUS, TRACHEOBRONCHIAL TREE AND HEAD AND NECK

Wednesday, April 06, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. Discuss in detail the types of laryngotracheal injuries and their management.

(30 marks)

2. **Write short notes on:**

- 2A. Supraomohyoid neck dissection
- 2B. Surgical approaches to nasopharynx
- 2C. Interstitial radiotherapy
- 2D. Adenocystic carcinoma
- 2E. Ameloblastoma
- 2F. Free radial forearm flap
- 2G. Type I thyroplasty

(10×7 = 70 marks)



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MANIPAL UNIVERSITY

MS (OTORHINOLARYNGOLOGY) DEGREE EXAMINATION – APRIL 2011

SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, April 07, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Discuss in detail the recent developments in skull base surgery.

(30 marks)

2. **Write short notes on:**

2A. Neuromuscular pedicle reinnervation for vocal cord palsy

2B. Laryngeal transplant

2C. Provox prosthesis

2D. Brain stem implants

2E. Cidofovir

2F. Contact endoscopy

2G. Diode laser

(10×7 = 70 marks)

